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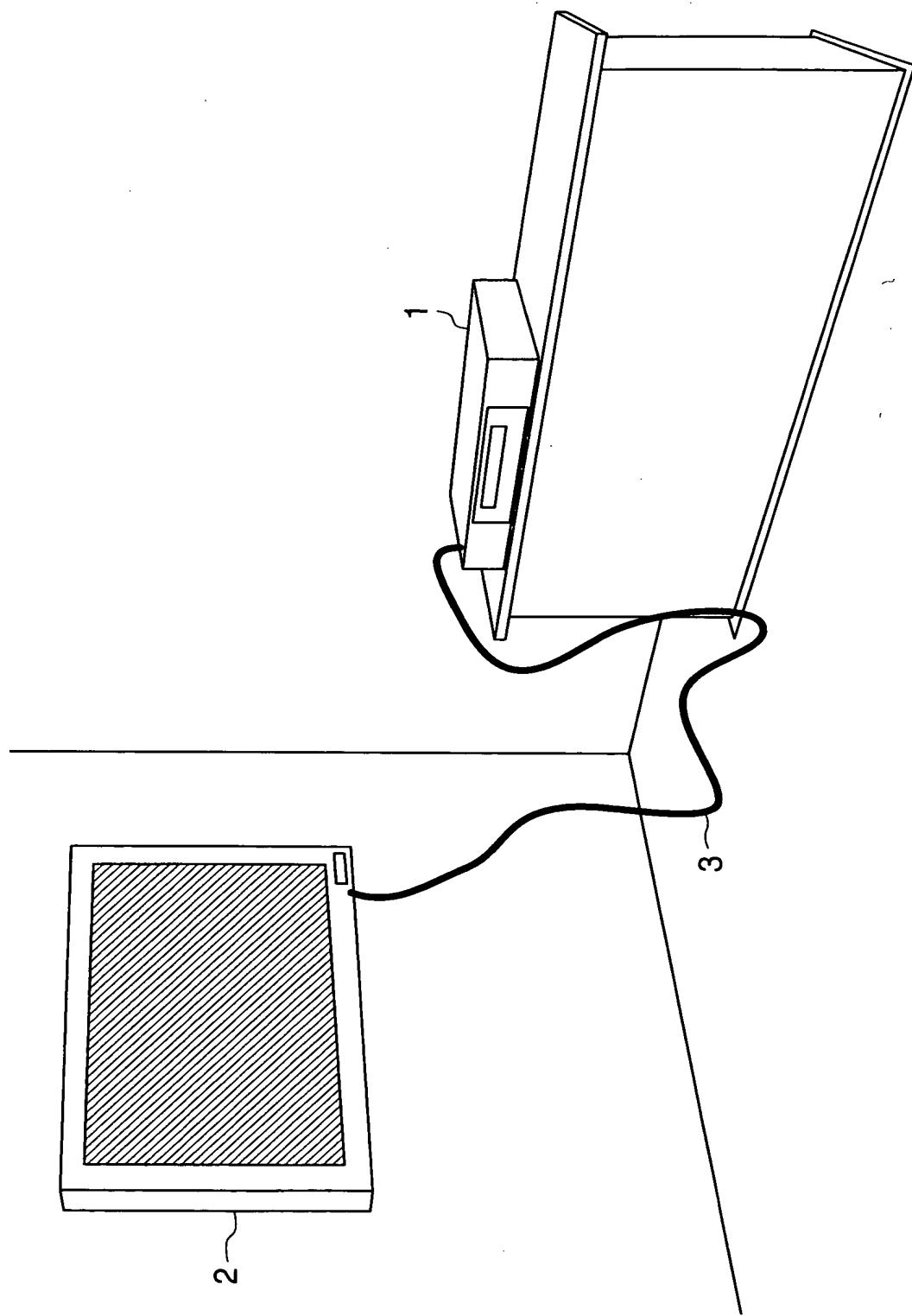


FIG. 1 (RELATED ART)

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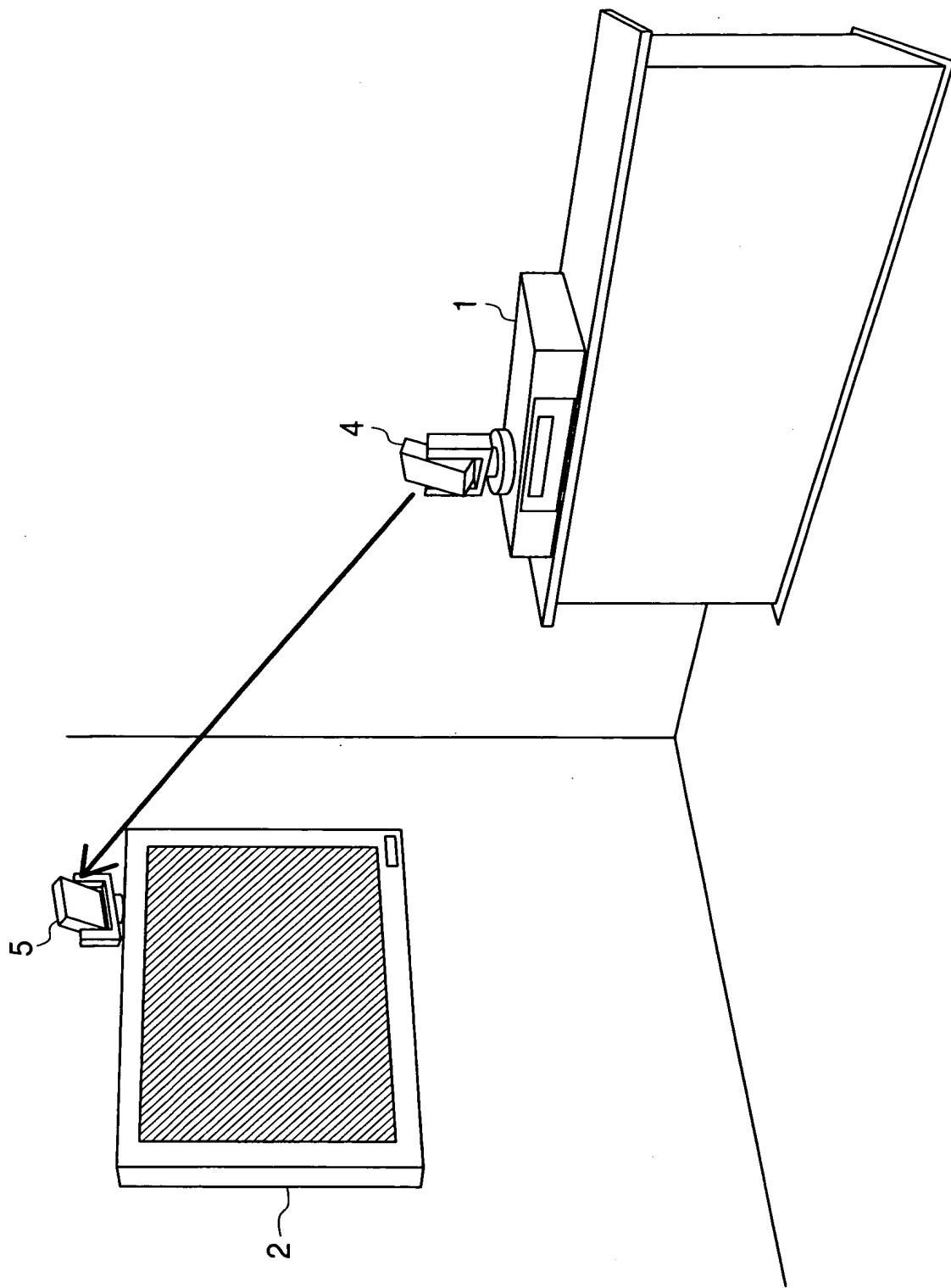


FIG. 2 (RELATED ART)

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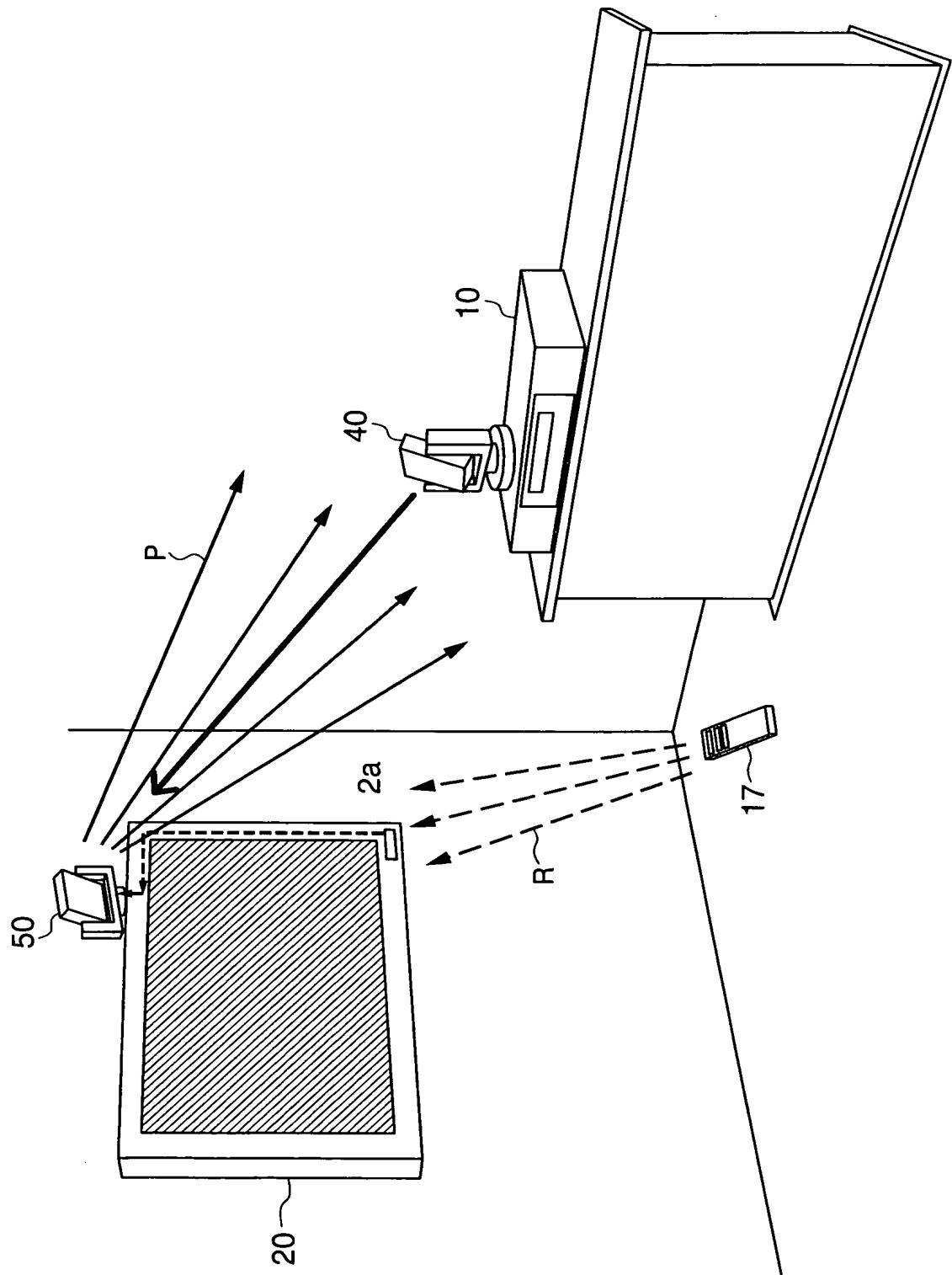


FIG. 3

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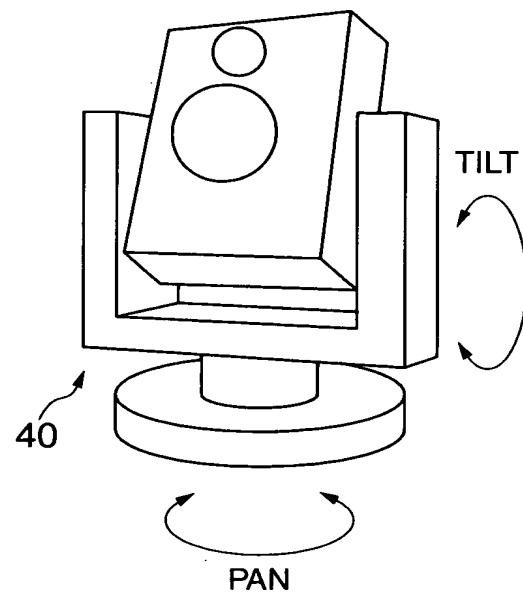
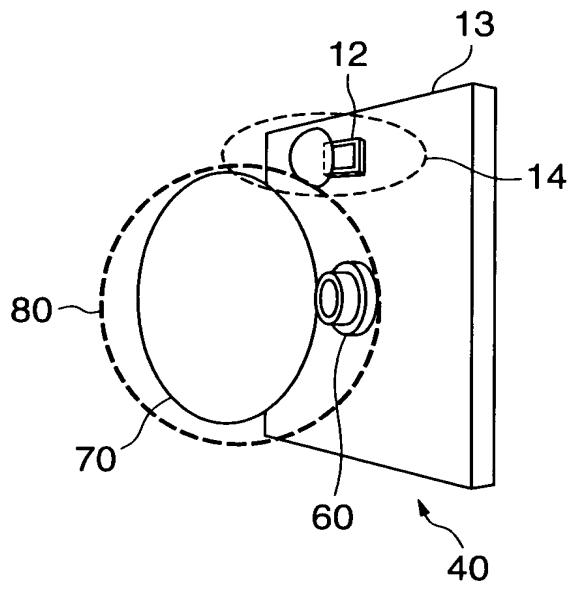


FIG. 4A

FIG. 4B

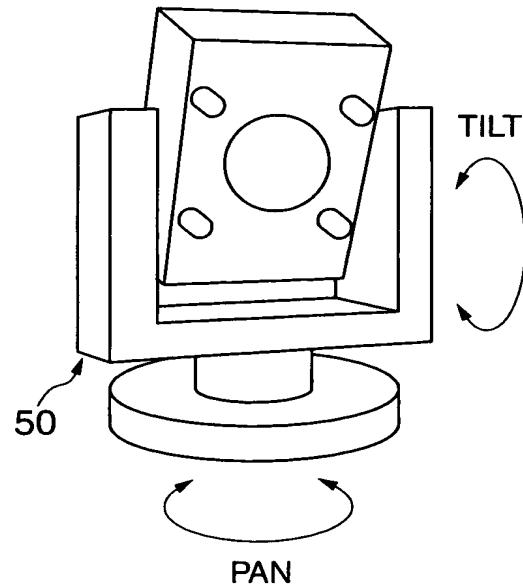
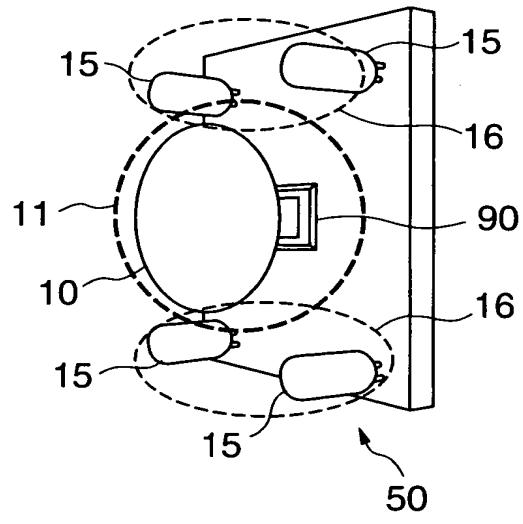


FIG. 5A

FIG. 5B

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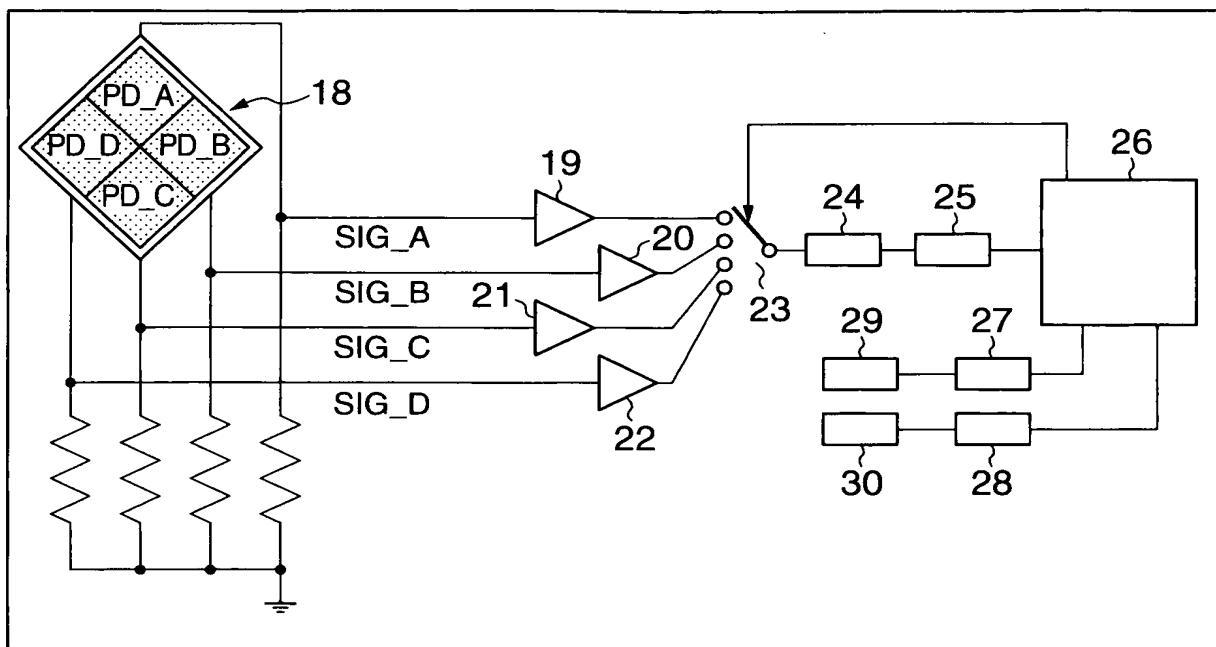


FIG. 6

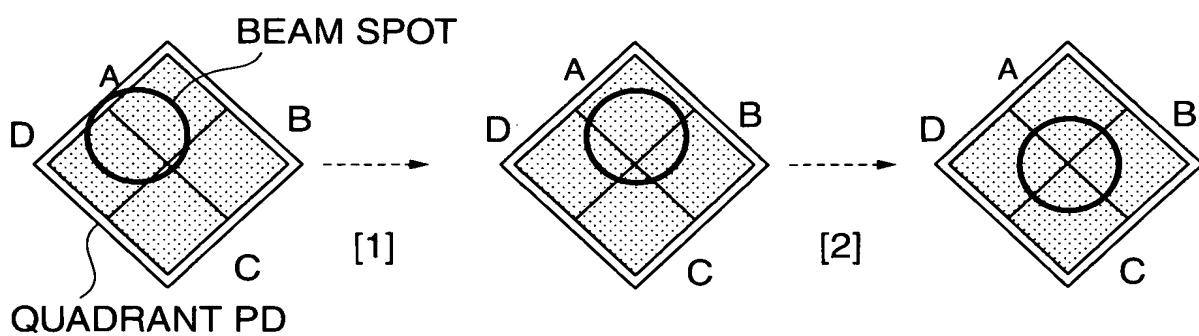


FIG. 7

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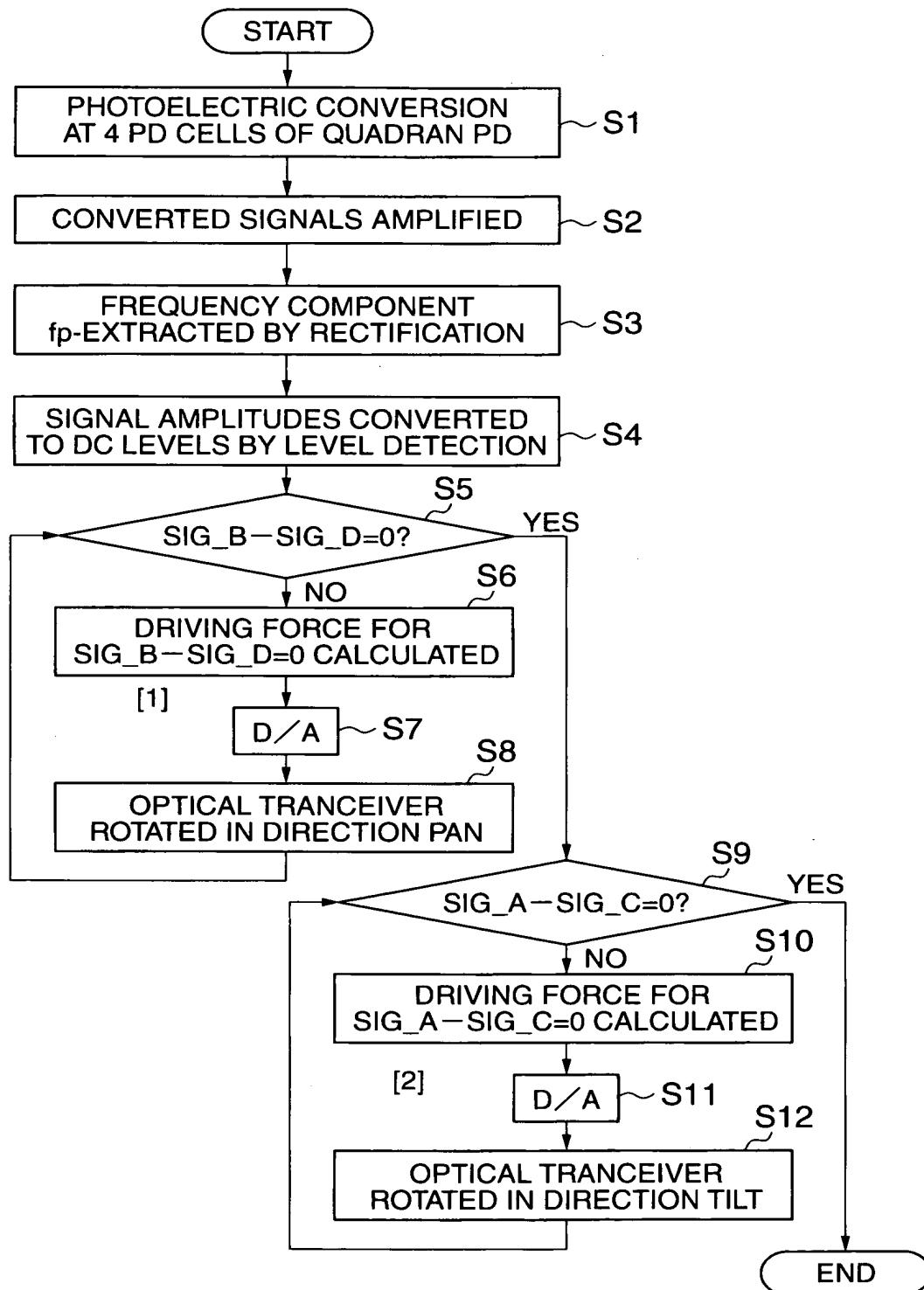


FIG. 8

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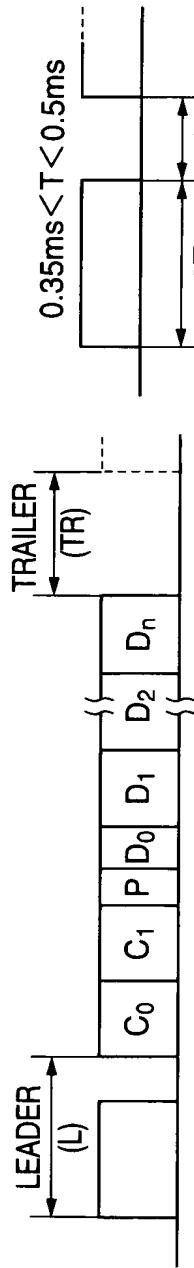


FIG. 9A

FIG. 9B

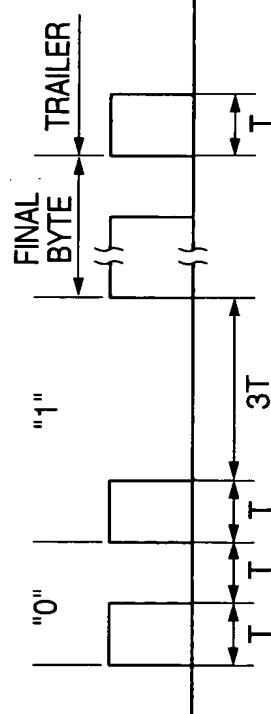


FIG. 9C

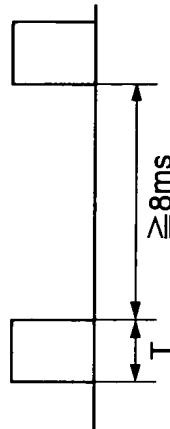


FIG. 9D

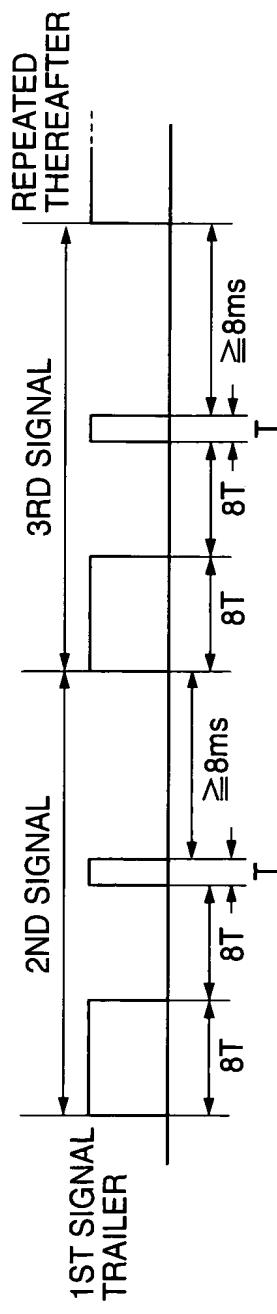


FIG. 9E

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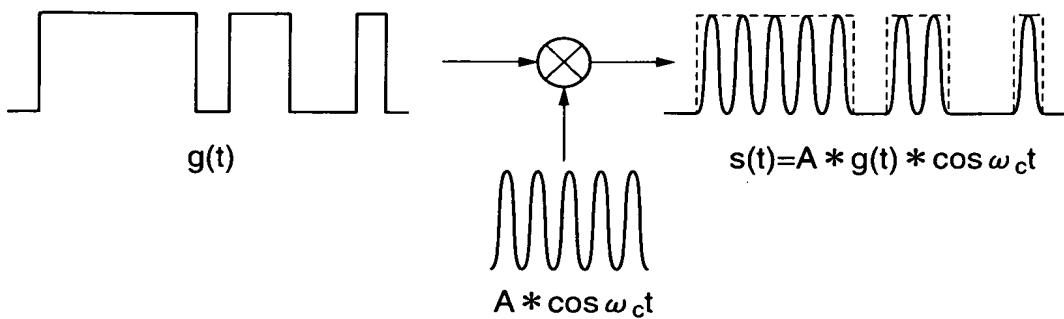


FIG. 10

NOISE: $n(t) = n_c(t) * \cos \omega_c t + n_q(t) * \sin \omega_c t$

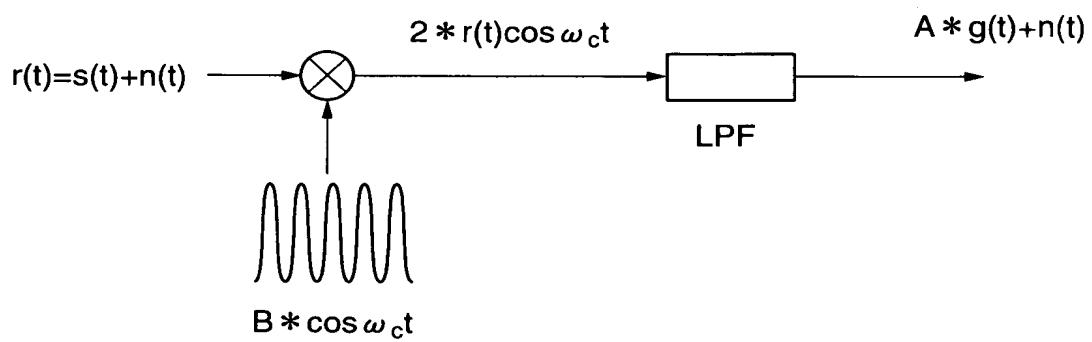


FIG. 11

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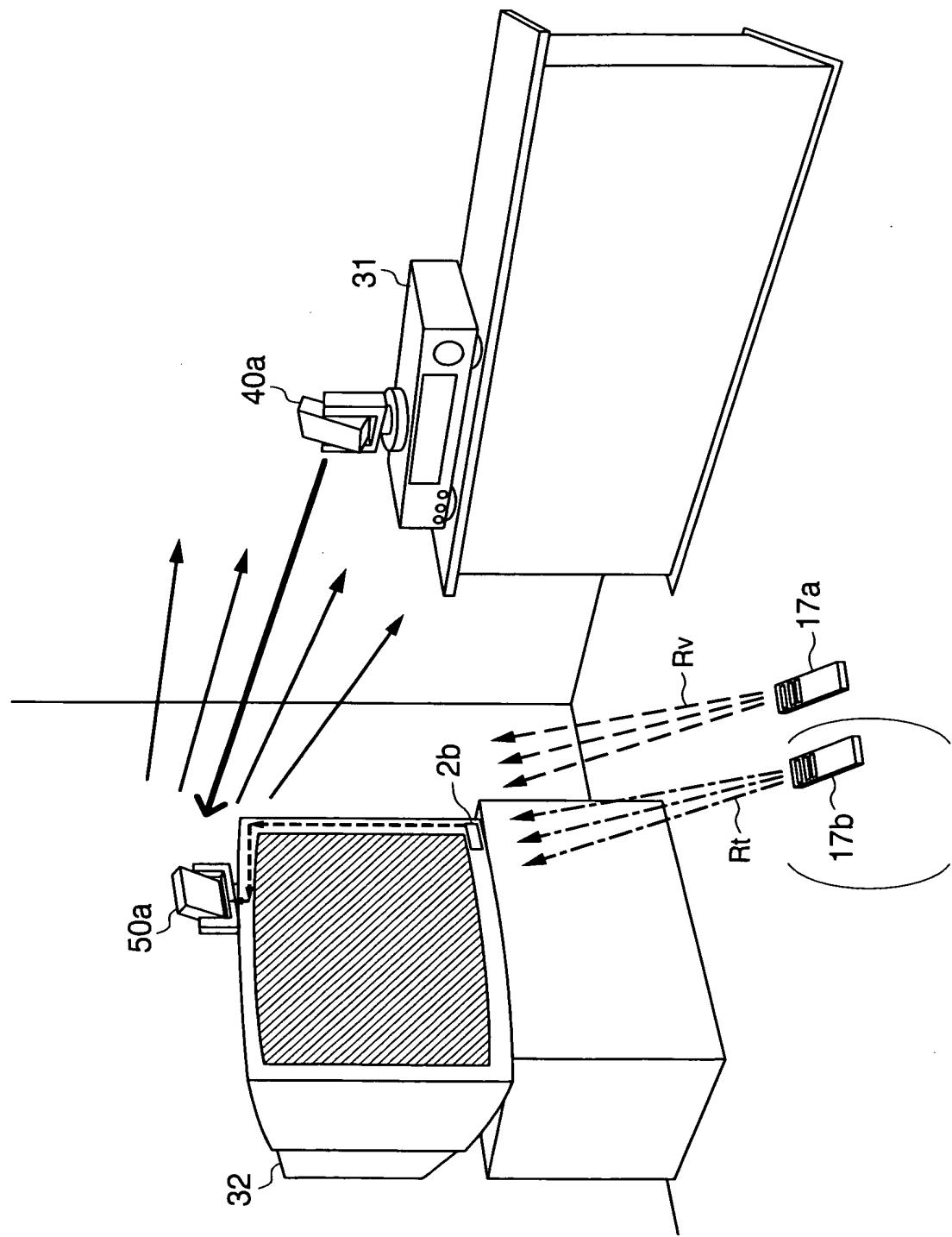


FIG. 12